



National Museum of Health and Medicine

Otis Historical Archives

OHA 178 Gray Photomicrographs

Date of Records: 1893

Size: 1 linear foot, 2 Boxes

Finding Aid: by Eric W. Boyle (2013)

Access and Use: The Otis Historical Archives is committed to providing open access to its collections as far as possible within the limits of privacy and confidentiality. Access to this collection is at the discretion of the Otis Historical Archives and material contained within the records may be subject to review before access is granted.

Series/Scope and Content Note: This collection consists of two copies (one bound, one disassembled) of *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893). Gray joined the Museum in 1885 and served on the hospital ship U.S.S Relief in 1898. He did x-ray and photomicroscopical work.

BOX AND CONTENT LIST

Box 001:

Bound copy: *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893).

List of Photomicrographs:

<u>No.</u>	<u>Subject</u>
1	Red blood corpuscles, <i>Amphiuma</i>
2	White blood corpuscles, <i>Amphiuma</i>
3	Spermatozoa, <i>Amphiuma</i>



- 4 Spermatozoa, Amphiuma
- 5 Bladder, frog
- 6 Striped muscle, Amphiuma
- 7 Section of tongue, cat
- 8 Unstriped muscle of intestine, Amphiuma
- 9 Section of articular hyaline cartilage, femur of frog
- 10 Section of phalanx of finger of two-months human embryo
- 11 Section of phalanx of finger of two-months human embryo
- 12 Section of femur of six-months human embryo
- 13 Section of human femur, child
- 14 Section of human femur, adult
- 15 Section of bone, longitudinal cut of Haversian canal
- 16 Section of mucous membrane of vagina, human
- 17 Section of mucous membrane of vagina, human
- 18 Section of aorta, seven-months human fetus
- 19 Section of artery, human
- 20 Section through a nerve bundle of the sciatic nerve, human
- 21 Section of spinal ganglion, cat
- 22 Section of spinal ganglion, cat
- 23 Section of spinal ganglion, cat, Weigert stain
- 24 Section of spinal cord and spinal ganglion, cat
- 25 Section of spinal cord, calf
- 26 Section of spinal cord, calf
- 27 Section of spinal cord, calf
- 28 Section of cerebrum, human
- 29 Section of cerebrum, human
- 30 Section of cerebellum, human
- 31 Section of cerebellum, human
- 32 Section of cerebellum, human
- 33 Section of mucous membrane of stomach, frog
- 34 Section of mucous membrane of stomach, frog
- 35 Section of mucous membrane of stomach, dog
- 36 Section of outer portion of mucous membrane of dog's stomach
- 37 Section of lower portion of mucous membrane of dog's stomach
- 38 Section of small intestine of bear
- 39 Section of small intestine of bear
- 40 Section of small intestine of frog
- 41 Section of human spleen
- 42 Section of human spleen
- 43 Section of thymus gland, human fetus



44	Section of thymus gland, human fetus
45	Section of liver of pig
46	Section of liver of cat
47	Section of cortical substance of kidney, human
48	Section of kidney, child one year old
49	Section of submaxillary gland, cat
50	Section of submaxillary gland, cat
51	Section of testicle of rat
52	Transverse section of seminal tubule of testicle of rat
53	Transverse section of seminal tubule of testicle of rat
54	Section of human ovary
55	Section of human ovary
56	Section of human ovary
57	Section of ovary of cat
58	Section of human Fallopian tube
59	Section of human Fallopian tube
60	Transverse section through jaw of a three-months human embryo
61	Section of cornea, human
62	Section of anterior portion of eye, human
63	Section of anterior portion of eye, human
64	Section of crystalline lens, human
65	Section of crystalline lens, human
66	Section of posterior portion of eye, human
67	Section of retina, human
68	Section of retina, human
69	Pigmented epithelial cells stripped from rabbit's retina
70	Transverse section through posterior portion of human eye
71	Section of posterior portion of eye
72	Section of retina, alligator
73	Section of crystalline lens, alligator
74	Section of choroid and sclerotic coats of eye of alligator
75	Section of anterior portion of eye of chicken
76	Section of optic nerve, Weigert stain

Box 002:

Disassembled copy: *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893).



Note: The collection also includes 154 oversize plates of fetal, skin, bacteria, and animal photomicrographs and X-rays of Relief patients, which are housed separately in oversized drawers.